

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1-52 have been cancelled.

53. (Currently amended) An isolated nucleic acid molecule having at least 80% sequence identity to:

(a) a nucleic acid sequence encoding the polypeptide shown as SEQ ID NO:2;

(b) a nucleic acid sequence encoding the polypeptide shown as SEQ ID NO:2, lacking

its associated signal peptide;

(c) the nucleic acid sequence shown as SEQ ID NO:1;

(d) the full-length coding sequence of the nucleic acid sequence shown as SEQ ID NO:1; or

(e) the full-length coding sequence of cDNA deposited under ATCC accession number PTA-1532; wherein ~~said encoded polypeptide~~ said isolated nucleic acid encodes a polypeptide which is a receptor for and binds to the ligand polypeptide shown as SEQ ID NO:4.

54. (Currently amended) An isolated nucleic acid molecule having at least 85% sequence identity to:

(a) a nucleic acid sequence encoding the polypeptide shown as SEQ ID NO:2;

(b) a nucleic acid sequence encoding the polypeptide shown as SEQ ID NO:2, lacking its associated signal peptide;

(c) the nucleic acid sequence shown as SEQ ID NO:1;

(d) the full-length coding sequence of the nucleic acid sequence shown as SEQ ID NO:1; or

(e) the full-length coding sequence of cDNA deposited under ATCC accession number PTA-1532; wherein ~~said encoded polypeptide~~ said isolated nucleic acid encodes a polypeptide which is a receptor for and binds to the ligand polypeptide shown as SEQ ID NO:4.

55. (Currently amended) An isolated nucleic acid molecule having at least 90% sequence identity to:

(a) a nucleic acid sequence encoding the polypeptide shown as SEQ ID NO:2;

(b) a nucleic acid sequence encoding the polypeptide shown as SEQ ID NO:2, lacking its associated signal peptide;

(c) the nucleic acid sequence shown as SEQ ID NO:1;

(d) the full-length coding sequence of the nucleic acid sequence shown as SEQ ID NO:1; or

(e) the full-length coding sequence of cDNA deposited under ATCC accession number PTA-1532; wherein ~~said encoded polypeptide~~ said isolated nucleic acid encodes a polypeptide which is a receptor for and binds to the ligand polypeptide shown as SEQ ID NO:4.

56. (Currently amended) An isolated nucleic acid molecule having at least 95% sequence identity to:

(a) a nucleic acid sequence encoding the polypeptide shown as SEQ ID NO:2;

(b) a nucleic acid sequence encoding the polypeptide shown as SEQ ID NO:2, lacking its associated signal peptide;

(c) the nucleic acid sequence shown as SEQ ID NO:1;

(d) the full-length coding sequence of the nucleic acid sequence shown as SEQ ID NO:1; or

(e) the full-length coding sequence of cDNA deposited under ATCC accession number PTA-1532; wherein ~~said encoded polypeptide~~ said isolated nucleic acid encodes a polypeptide which is a receptor for and binds to the ligand polypeptide shown as SEQ ID NO:4.

57. (Currently amended) An isolated nucleic acid molecule having at least 99% sequence identity to:

(a) a nucleic acid sequence encoding the polypeptide shown as SEQ ID NO:2;

(b) a nucleic acid sequence encoding the polypeptide shown as SEQ ID NO:2, lacking its associated signal peptide;

(c) the nucleic acid sequence shown as SEQ ID NO:1;

(d) the full-length coding sequence of the nucleic acid sequence shown as SEQ ID NO:1; or

(e) the full-length coding sequence of cDNA deposited under ATCC accession number PTA-1532; wherein ~~said encoded polypeptide~~ said isolated nucleic acid encodes a polypeptide which is a receptor for and binds to the ligand polypeptide shown as SEQ ID NO:4.

58. (Previously presented) An isolated nucleic acid molecule comprising:

(a) a nucleic acid sequence encoding the polypeptide shown as SEQ ID NO:2;

(b) a nucleic acid sequence encoding the polypeptide shown as SEQ ID NO:2, lacking its associated signal peptide;

(c) the nucleic acid sequence shown as SEQ ID NO:1;

(d) the full-length coding sequence of the nucleic acid sequence shown as SEQ ID NO:1; or

(e) the full-length coding sequence of cDNA deposited under ATCC accession number PTA-1532.

59. (Previously presented) The isolated nucleic acid molecule of Claim 58 comprising a nucleic acid sequence encoding the polypeptide shown as SEQ ID NO:2.
60. (Previously presented) The isolated nucleic acid molecule of Claim 58 comprising a nucleic acid sequence encoding the polypeptide shown as SEQ ID NO:2, lacking its associated signal peptide.
61. (Previously presented) The isolated nucleic acid molecule of Claim 58 comprising the nucleic acid sequence shown as SEQ ID NO:1.
62. (Previously presented) The isolated nucleic acid molecule of Claim 58 comprising the full-length coding sequence of the nucleic acid sequence shown as SEQ ID NO:1.
63. (Previously presented) The isolated nucleic acid molecule of Claim 58 comprising the full-length coding sequence of cDNA deposited under ATCC accession number PTA-1532.
- ~~64.~~ (Currently amended) An isolated nucleic acid molecule that hybridizes to:
- (a) a nucleic acid sequence encoding the polypeptide shown as SEQ ID NO:2;
  - (b) a nucleic acid sequence encoding the polypeptide shown as SEQ ID NO:2, lacking its associated signal peptide;
  - (c) the nucleic acid sequence shown as SEQ ID NO:1;
  - (d) the full-length coding sequence of the nucleic acid sequence shown as SEQ ID NO:1; or
  - (e) the full-length coding sequence of cDNA deposited under ATCC accession number PTA-1532; wherein said isolated nucleic acid encodes a polypeptide

which is a receptor for and binds to the ligand polypeptide shown as SEQ ID NO:4..

65. (Previously presented) The isolated nucleic acid molecule of Claim 64, wherein said hybridization occurs under stringent conditions of 50% formamide, 5 x SSC (0.75 M NaCl, 0.075 M sodium citrate), 50 mM sodium phosphate (pH 6.8), 0.1% sodium pyrophosphate, 5xDenhardt's solution, sonicated salmon sperm DNA (50 µg/ml), 0.1% SDS, and 10% dextran sulfate at 42 C, with washes at 42 C in 0.2 x SSC (sodium chloride/sodium citrate) and 50% formamide at 55 C, followed by a high-stringency wash consisting of 0.1 x SSC containing EDTA at 55 C.

66. (Currently amended) A vector comprising the isolated nucleic acid molecule of Claim +53.

67. (Currently amended) The vector of Claim 66, wherein said isolated nucleic acid is operably linked to control sequences recognized by a host cell transformed with the vector.

68. (Previously presented) A host cell comprising the vector of Claim 66.

69. (Previously presented) The host cell of Claim 68, wherein said cell is a CHO cell, an E. coli or a yeast cell.

#### **REMARKS**

Claims 53-69 remain in this application. Claims 1-52 have been previously canceled. Applicants have herein amended Claims 53-57, 64, and 66-67 so as to more clearly define the subject matter claimed therein. In that the newly amended